

## Publications et communications de Christophe Detrembleur

### Légende

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## 1. Ouvrages publiés, en tant qu'auteur, co-auteur ou éditeur

## 2. Chapitres d'ouvrages, en tant qu'auteur ou co-auteur

- 1) Demarteau, J., Kermagoret, A., Jérôme, C., **Detrembleur, C.**, & Debuigne, A. (2015). Controlled synthesis of ethylene-vinyl acetate based copolymers by organometallic mediated radical polymerization. In K., Matyjaszewski, B. S., Sumerlin, N. V., Tsarevsky, & J., Chieffari (Eds.), *Controlled Radical Polymerization: Materials* (pp. 47-61). American Chemical Society.  
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- 2) Debuigne, A., Hurtgen, M., Jérôme, C., & **Detrembleur, C.** (2012). Radical coupling of polymers formed by cobalt-mediated radical polymerization. In K., Matyjaszewski, B., Sumerlin, & N. V., Tsarevsky (Eds.), *Progress in controlled radical polymerization: mechanisms and techniques* (pp. 217-230). The American Chemical Society, Division Polymer Chemistry.  
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- 3) Debuigne, A., Jérôme, R., Jérôme, C., & **Detrembleur, C.** (2012). Cobalt-mediated radical polymerization. In D. A., Schlüter, C., Hawker, & J., Sakamoto (Eds.), *Synthesis of polymers: new structures and methods* (pp. 67-79). Wiley.  
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- 4) Thomassin, J.-M., Jérôme, R., Jérôme, C., & **Detrembleur, C.** (2011). Functionalization of carbon nanotubes by polymers using grafting to methods. In V., Mittal (Ed.), *Surface modification of nanotube fillers* (pp. 257-287). Wiley.  
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- 5) Molenberg, I., Huynen, I., Baudouin, A.-C., Bailly, C., Thomassin, J.-M., & **Detrembleur, C.** (2010). Foamed nanocomposites for EMI shielding applications. In M., Mukherjee (Ed.), *Advanced Microwave and Millimeter Wave Technologies Semiconductor Devices Circuits and Systems* (pp. 453-470). InTech.  
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- 6) Thomassin, J.-M., Jérôme, R., **Detrembleur, C.**, Molenberg, I., & Huynen, I. (2010). Polymer/carbon nanotube composites for electromagnetic interference réduction. In S. C., Tjong & Y.-W., Mai (Eds.), *Physical properties and applications of polymer nanocomposites* (pp. 563-587). Woodhead Publishing Limited.  
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- 7) Debuigne, A., Poli, R., Jérôme, R., Jérôme, C., & **Detrembleur, C.** (2009). Key role of metal-coordination in cobalt-mediated radical polymerization of vinyl acetate. In K., Matyjaszewski (Ed.), *Controlled/living radical polymerization: progress in RAFT, DT, NMP & OMRP* (pp. 131-147). The American Chemical Society, Division Polymer Chemistry.  
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- 8) Debuigne, A., **Detrembleur, C.**, Bryaskova, R., Caille, J.-R., & Jérôme, R. (2006). Cobalt-mediated radical polymerization of vinyl acetate: a new tool for macromolecular engineering. In K., Matyjaszewski (Ed.), *Controlled/living radical polymerization: from synthesis to materials* (The American Chemical Society, pp. 372-386).  
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- 9) **Detrembleur, C.**, Claes, M., & Jérôme, R. (2003). Controlled radical polymerization of alkyl methacrylates in the presence of NO/NO<sub>2</sub> mixtures. In K., Matyjaszewski (Ed.), *Advances in controlled/living radical polymerization* (pp. 496-518). The American Chemical Society, Division Polymer Chemistry.  
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### 3. Articles acceptés dans des journaux à comité de lecture (peer reviewed)

- 1) Gomez-Lopez, A., Grignard, B., Calvo, I., **Detrembleur, C.**, & Sardon, H. (in press). Monocomponent non-isocyanate polyurethane adhesives based on a sol-gel process. *ACS Applied Polymer Materials*.  
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- 2) Scholten, P. B. V., Özen, M. B., Söyler, Z., Thomassin, J.-M., Wilhelm, M., **Detrembleur, C.**, & Meier, M. A. R. (2020). Rheological and mechanical properties of cellulose/LDPE composites using sustainable and fully renewable compatibilisers. *Journal of Applied Polymer Science*, 137(22), 48744.  
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- 3) Brege, A., Méreau, R., McGehee, K., Grignard, B., **Detrembleur, C.**, Jérôme, C., & Tassaing, T. (2020). The coupling of CO<sub>2</sub> with diols promoted by organic dual systems: Towards products divergence via benchmarking of the performance metrics. *Journal of CO<sub>2</sub> Utilization*, 38, 88-98.  
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- 4) Ouhib, F., Meabe, L., Mahmoud, A., Grignard, B., Thomassin, J.-M., Boschini, F., Zhu, H., Forsyth, M., Mecerreyes, D., & **Detrembleur, C.** (2020). Influence of the cyclic vs. linear carbonate segments in the properties and performance of CO<sub>2</sub>-sourced polymer electrolytes for lithium batteries. *ACS Applied Polymer Materials*, 2(2), 922-931.  
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- 5) Wang, Z., Poli, R., **Detrembleur, C.**, & Debuigne, A. (2019). Organometallic-mediated radical (co)polymerization of γ-methylene-γ-butyrolactone: access to pH-responsive poly(vinyl alcohol) derivatives. *Macromolecules*, 52(22), 8976-8988.  
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- 6) Demarteau, J., Scholten, P., Kermagoret, A., De Winter, J., Meier, M. A., Monteil, V., Debuigne, A., & **Detrembleur, C.** (2019). Functional polyethylene (PE) and PE-based block copolymers by organometallic-mediated radical polymerization. *Macromolecules*, 52(22), 9053-9063.  
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- 7) Léonard, G. L.-M., Pirard, S., Belet, A., Grignard, B., **Detrembleur, C.**, Jérôme, C., & Heinrichs, B. (2019). Optimizing support properties of heterogeneous catalysts for the coupling of carbon dioxide with epoxides. *Chemical Engineering Journal*, 371, 719-729.  
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- 8) Grignard, B., Gennen, S., Jérôme, C., Kleij, A. W., & **Detrembleur, C.** (2019). Advances in the use of CO<sub>2</sub> as a renewable feedstock for the synthesis of polymers. *Chemical Society Reviews*, 48(16), 4466-4514.  
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- 9) Ouhib, F., Grignard, B., Van den Broeck, E., Luxen, A., Robeyns, K., Van Speybroeck, V., Jérôme, C., & **Detrembleur, C.** (2019). A switchable domino process for the construction of novel CO<sub>2</sub>-sourced sulfur-containing building blocks and polymers. *Angewandte Chemie International Edition*, 58(34), 11768-11773.  
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- 10) Bourguignon, M., Thomassin, J.-M., Grignard, B., Jérôme, C., & **Detrembleur, C.** (2019). Fast and facile one-pot one-step preparation of non-isocyanate polyurethane hydrogels in water at room temperature. *ACS Sustainable Chemistry and Engineering*, 7(14), 12601-12610.  
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- 11) Demarteau, J., Debuigne, A., & **Detrembleur, C.** (2019). Organocobalt complexes as sources of carbon-centered radicals for organic and polymer chemistries. *Chemical Reviews*, 119(12), 6906-6955.  
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- 12) Czuba, U., Quintana, R., Lassaux, P., Bombera, R., Ceccone, G., Bañuls-Ciscar, J., Moreno-Couranjou, M., **Detrembleur, C.**, & Choquet, P. (2019). Anti-biofouling activity of Ranaspumin-2 bio-surfactant immobilized on catechol-functional PMMA thin layers prepared by atmospheric plasma deposition. *Colloids and Surfaces B: Biointerfaces*, 178, 120-128.  
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- 13) Patil, N., Mavrandonakis, A., Jérôme, C., **Detrembleur, C.**, Palma, J., & Marcilla, R. (2019). Polymers bearing catechol pendants as universal hosts for aqueous rechargeable H<sup>+</sup>, Li-ion, and post-Li-ion (mono-, di-, and trivalent) batteries. *ACS Applied Energy Materials*, 2(5), 3035-3041.  
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- 14) Ouhib, F., Meabe, L., Mahmoud, A., Eshraghi, N., Grignard, B., Thomassin, J.-M., Aqil, A., Boschini, F., Jérôme, C., Mecerreyes, D., & **Detrembleur, C.** (2019). CO<sub>2</sub>-sourced polycarbonates as solid electrolytes for room temperature operation lithium battery. *Journal of Materials Chemistry A*, 7(16), 9844-9853.  
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- 15) Jalaber, V., Del Frari, D., De Winter, J., Mehennaoui, K., Planchon, S., Choquet, P., **Detrembleur, C.**, & Moreno-Couranjou, M. (2019). Atmospheric aerosol assisted pulsed plasma polymerization: An environmentally friendly technique for tunable catechol-bearing thin films. *Frontiers in Chemistry*, 7, 183.  
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- 16) Falireas, P. G., Ladmiral, V., Debuigne, A., **Detrembleur, C.**, Poli, R., & Ameduri, B. (2019). Straightforward synthesis of well-defined poly(vinylidene fluoride) and its block copolymers by cobalt-mediated radical polymerization. *Macromolecules*, 52(3), 1266-1276.  
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- 17) Gennen, S., Grignard, B., Jérôme, C., & **Detrembleur, C.** (2019). CO<sub>2</sub>-sourced non-isocyanate poly(urethane)s with pH-sensitive imine linkages. *Advanced Synthesis and Catalysis*, 361(2), 355-365.  
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- 18) Scholten, P., **Detrembleur, C.**, & Meier, M. A. R. (2019). Plant-based non-activated olefins: a new class of renewable monomers for controlled radical polymerisation. *ACS Sustainable Chemistry and Engineering*, 7(2), 2751-2762.  
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- 19) Alkarmo, W., Ouhib, F., Aqil, A., Thomassin, J.-M., Yuan, J., Gong, J., Vertruyen, B., **Detrembleur, C.**, & Jérôme, C. (2019). Poly(ionic liquid)-derived N-doped carbons with hierarchical porosity for lithium- and sodium-ion batteries. *Macromolecular Rapid Communications*, 40(1), 1800545.  
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- 20) Panchireddy, S., Grignard, B., Thomassin, J.-M., Jérôme, C., & **Detrembleur, C.** (2018). Catechol containing polyhydroxyurethanes as high-performance coatings and adhesives. *ACS Sustainable Chemistry and Engineering*, 6(11), 14936-14944.  
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- 21) Patil, N., Aqil, M., Ouhib, F., Marcilla, R., Minoia, A., Lazzaroni, R., Jérôme, C., & **Detrembleur, C.** (2018). Integration of redox-active catechol pendants into poly(ionic liquid) for the design of high-performance lithium-ion battery cathodes. *Chemistry of Materials*, 30(17), 5831-5835.  
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- 22) Aqil, M., Ouhib, F., Aqil, A., El Idrissi, A., **Detrembleur, C.**, & Jérôme, C. (2018). Polymer ionic liquid bearing radicals as an active material for organic batteries with ultrafast charge-discharge rate. *European Polymer Journal*, 106, 242-248.  
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- 23) Sproncken, C. C. M., Surís-Valls, R., Cingil, H. E., **Detrembleur, C.**, & Voets, I. K. (2018). Complex coacervate core micelles containing poly(vinyl alcohol) inhibit ice recrystallization. *Macromolecular Rapid Communications*, 39(17), 1700814.  
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- 24) Patil, N., Jérôme, C., & **Detrembleur, C.** (2018). Recent advances in the synthesis of catechol-derived (bio)polymers for applications in energy storage and environment. *Progress in Polymer Science*, 82, 34-91.  
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- 25) Grignard, B., Ngassam Tounzoua, C., Gennen, S., Gilbert, B., Méreau, R., Jérôme, C., Tassaing, T., & **Detrembleur, C.** (2018). Boosting the catalytic performance of organic salts for the fast and selective synthesis of  $\alpha$ -alkylidene cyclic carbonates from CO<sub>2</sub> and propargylic alcohols. *ChemCatChem*, 10(12), 2584-2592.  
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- 26) Czuba, U., Quintana, R., Gillet, M.-C., Bourguignon, M., Moreno-Couranjou, M., Alexandre, M., **Detrembleur, C.**, & Choquet, P. (2018). Atmospheric plasma deposition of methacrylate layers containing catechol/quinone groups: an alternative to polydopamine bioconjugation for biomedical applications. *Advanced Healthcare Materials*, 7(11), 1701059.  
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- 27) Scholten, P., Demarteau, J., Gennen, S., De Winter, J., Grignard, B., Debuigne, A., Meier, M. A. R., & **Detrembleur, C.** (2018). Merging CO<sub>2</sub>-based building blocks with cobalt-mediated radical polymerization for the synthesis of functional poly(vinyl alcohol)s. *Macromolecules*, 51(9), 3379-3393.  
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- 28) Alkarmo, W., Ouhib, F., Aqil, A., Thomassin, J.-M., Vertruyen, B., Piedboeuf, M.-P., Job, N., **Detrembleur, C.**, & Jérôme, C. (2018). Continuous-porous N-doped carbon network as high-performance electrode for lithium-ion batteries. *Journal of Materials Science*, 53(8), 6135-6146.  
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- 29) Méreau, R., Grignard, B., Boyaval, A., **Detrembleur, C.**, Jérôme, C., & Tassaing, T. (2018). Tetrabutyl ammonium salts: cheap catalysts for the facile and selective synthesis of  $\alpha$ -alkylidene cyclic carbonates from CO<sub>2</sub> and alkynol. *ChemCatChem*, 10(5), 956-960.  
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- 31) Moreno-Couranjou, M., Mauchauffé, R., Bonot, S., **Detrembleur, C.**, & Choquet, P. (2018). Anti-biofouling and antibacterial surfaces via a multicomponent coating deposited from an up-scalable atmospheric-pressure plasma-assisted CVD process. *Journal of Materials Chemistry B*, 6(4), 614-623.  
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- 33) Panchireddy, S., Grignard, B., Thomassin, J.-M., Jérôme, C., & **Detrembleur, C.** (2018). Bio-based poly(hydroxyurethane) glues for metal substrates. *Polymer Chemistry*, 9, 2650-2659.  
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- 34) Sadaba, N., Salsamendi, M., Casado, N., Zuza, E., Muñoz, J., Sarasua, J.-R., Mecerreyes, D., Mantione, D., **Detrembleur, C.**, & Sardon, H. (2018). Catechol end-functionalized polylactide by organocatalyzed ring-opening polymerization. *Polymers*, 10(2), 155.  
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- 35) Banerjee, S., Bellan, E. V., Gayet, F., Debuigne, A., **Detrembleur, C.**, Poli, R., Améduri, B., & Ladmiraal, V. (2017). Bis(formylphenolato)cobalt(II)-mediated alternating radical copolymerization of tert-butyl 2-trifluoromethylacrylate with vinyl acetate. *Polymers*, 9(12), 705.  
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- 36) Patil, N., Aqil, A., Ouhib, F., Admassie, S., Inganäs, O., Jérôme, C., & **Detrembleur, C.** (2017). Bioinspired redox-active catechol-bearing polymers as ultra-robust organic cathodes for lithium storage. *Advanced Materials*, 29(40), 1703373.  
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- 21) **Detrembleur, C.**, Patil, N., Debuigne, A., Aqil, A., Ouhib, F., Cordella, D., & Jérôme, C. (2017, May 24). *Multifunctional poly(ionic liquid)s: from synthesis to applications in energy and environment*. Paper presented at Advanced Polymers via Macromolecular Engineering (APME), Ghent, Belgium.  
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- 27) Banerjee, Ladmiral, V., Debuigne, A., **Detrembleur, C.**, Poli, R., & Améduri, B. (2016, October 04). *Expanding the scope of cobalt-mediated radical polymerization towards the synthesis of novel poly(vinyl acetate-alt-tert-butyl-2-trifluoromethacrylate) alternating fluorocopolymers*. Paper presented at Fluoropolymer, New Orleans, USA.  
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- 29) Cordella, D., Jérôme, C., & **Detrembleur, C.** (2016, September 12). *Precision synthesis of poly(ionic liquid)s in aqueous media*. Paper presented at PAI Annual Meeting, Liège, Belgium.  
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- 30) Gennen, S., Grignard, B., Thomassin, J.-M., Jérôme, C., **Detrembleur, C.**, Tassaing, T., Alves, M., Panchireddy, S., Gilbert, B., & Vertruyen, B. (2016, July 07). *Valorization of CO2 for the preparation of advanced materials*. Paper presented at Chemistry Department Day, Liège, Belgium.  
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- 31) Alves, M., Grignard, B., Boyaval, A., Gennen, S., Méreau, R., Tassaing, T., **Detrembleur, C.**, De Winter, J., Gerbaux, P., & Jérôme, C. (2016, May 24). *Catalytic transformation of CO2: from monomers to polymers*. Paper presented at Belgian Polymer Group (BPG) Annual Meeting, Hasselt, Belgium.  
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









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- 151) **Detrembleur, C.** (2006, June 28). *New developments in cobalt-mediated radical polymerization of vinyl acetate*. Paper presented at SONS-EUROCORES meeting, Pisa, Italy.  
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- 152) Debuigne, A., **Detrembleur, C.**, Bryaskova, R., & Jérôme, R. (2006, May 18). *Efficient controlled radical polymerization of vinyl acetate based on cobalt complexes*. Paper presented at Belgian Polymer Group (BPG) annual meeting 2006, Oostende, Belgium.  
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- 154) **Detrembleur, C.** (2005, August 28). *A new system for the controlled radical polymerization of vinyl acetate*. Paper presented at ACS Meeting on controlled radical polymerization, Washington DC, USA.  
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- 155) Stoilova, O., **Detrembleur, C.**, Jérôme, C., & Jérôme, R. (2005, June 01). *Fullerene containing (co)polymers for biomedical applications*. Paper presented at Advanced (nanomaterials for biofunctional surfaces, Liège, Belgium).  
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- 156) Lenoir, S., Pagnoulle, C., **Detrembleur, C.**, Galleni, M., & Jérôme, R. (2005, June 01). *ATRP of aminated methacrylates: a route to effective antimicrobial surfactants, coatings and additives*. Paper presented at Advanced nanomaterials for biofunctional surfaces, Liège, Belgium.  
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- 157) **Detrembleur, C.** (2005, May 11). *Application of the macromolecular engineering to the nanotechnology*. Paper presented at Self-assembled structures of amphiphilic ionic copolymers in solutions and at interfaces, Arcachon, France.  
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- 158) Sciannamea, V., Bernard, M., Catala, J.-M., Jérôme, R., & **Detrembleur, C.** (2004, November 26). *ESR studies of the in-situ nitroxide-mediated polymerization (NMP) of styrene using a nitron*. Paper presented at 3rd one-day symposium of the young belgian magnetic resonance scientists (3rd YBMRS), Brussels, Belgium.  
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- 159) Sciannamea, V., **Detrembleur, C.**, Catala, J.-M., & Jérôme, R. (2004, May 27). *Controlled radical (co)polymerization of vinyl monomers using nitrones as precursors of nitroxides*. Paper presented at Belgian Polymer Group (BPG) annual meeting 2004, Houffalize, Belgium.  
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<http://hdl.handle.net/2268/76930>  
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- 161) Claes, M., **Detrembleur, C.**, Hoebeke, M., & Jérôme, R. (2002). *New method for nitroxyl radical synthesis*. Paper presented at 11th Biennial meeting of the Society for free radical research international, Paris, France.  
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- 163) **Detrembleur, C.** (2001, July 15). *Functionalization of traditional biodegradable polyesters*. Paper presented at European Polymer Federation (EPF) workshop, Eindhoven, The Netherlands.  
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- 164) Jérôme, C., Claes, M., **Detrembleur, C.**, Gilbert, B., Leclère, P., Geskin, V., Lazzaroni, R., & Jérôme, R. (2001, May 16). *Surface modification of conductive substrates by electrografting combined with controlled/living polymerization techniques*. Paper presented at Belgian Polymer Group (BPG) annual meeting 2001, Mol, Belgium.  
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- 165) Lecomte, P., D'aloia, V., Mazza, M., Halleux, O., Gautier, S., **Detrembleur, C.**, & Jérôme, R. (2000, August 20). *Synthesis of new hydrophilic  $\gamma$ -substituted poly- $\epsilon$ -caprolactones*. Paper presented at ACS 220th : "Macromolecular Synthesis by Selective Chemical Modification", Washington DC, USA.  

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- 167) Jérôme, R., **Detrembleur, C.**, & Lecomte, P. (1999, July 19). *Recent progress in the ring-opening polymerization of lactones*. Paper presented at 14th International Symposium on Ionic Polymerization (IP 1999), Kyoto, Japan.  

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## 7. Posters pour un mandat doctoral (aspirant, clinicien-chercheur doctorant) ou postdoctoral (chargé de recherches)

- 1) Brege, A., Méreau, R., Grignard, B., **Detrembleur, C.**, Jérôme, C., & Tassaing, T. (2019, September 23). *CO<sub>2</sub>-based monomers: a detailed investigation of the carbonation reaction over diols for the synthesis of (a)cyclic carbonates promoted by organic dual systems*. Poster session presented at European Chemical Society (EuCHEMS) conference on Green and Sustainable Chemistry, Tarragona, Spain.  
<http://hdl.handle.net/2268/240152>  
 ORBi viewed: **47** (2 ULiège)
- 2) Ngassam Tounzoua, C., Grignard, B., Jérôme, C., Tassaing, T., & **Detrembleur, C.** (2019, June). *Cooperative catalysts for the selective synthesis of alkylidene cyclic carbonates from CO<sub>2</sub> and propargylic alcohols*. Poster session presented at International Conference on Carbon Dioxide Utilization (ICCDU), Aachen, Germany.  
<http://hdl.handle.net/2268/238113>  
 ORBi viewed: **46** (2 ULiège)



- 3) Brege, A., Méreau, R., Grignard, B., **Detrembleur, C.**, Jérôme, C., & Tassaing, T. (2019, May 27). *Mechanistic and kinetic insight into the carbonation reaction of diols to afford (a)cyclic carbonates: toward CO<sub>2</sub>-based monomers*. Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Houffallize, Belgium.  
<http://hdl.handle.net/2268/238081>  
ORBi viewed: **47** (2 ULiège)
- 4) Bourguignon, M., Thomassin, J.-M., Grignard, B., Jérôme, C., & **Detrembleur, C.** (2019, May 23). *Poly(hydroxyurethane) hydrogels preparation in water at room temperature*. Poster session presented at European Polymer Federation (EPF) Summer School: Dynamic and Reversible Polymer Networks, Bertinoro, Italy.  
<http://hdl.handle.net/2268/238110>  
ORBi viewed: **20** (3 ULiège)
- 5) Scholten, P., Meier, M. A. R., & **Detrembleur, C.** (2018, October 03). *Synthesis of functional copolymers from cyclic carbonates using controlled radical polymerisation*. Poster session presented at European Centre for Nanostructured Polymers (ECMP) International Conference on Nanostructured Polymers and Nanocomposites, San Sebastián, Spain.  
<http://hdl.handle.net/2268/228822>  
ORBi viewed: **33** (2 ULiège)
- 6) Panchireddy, S., Grignard, B., Thomassin, J.-M., Jérôme, C., & **Detrembleur, C.** (2018, June 20). *Sustainable poly(hydroxyurethane)s thermoset adhesives for affixing metals*. Poster session presented at Green Chemistry and Technology, Dublin, Ireland.  
<http://hdl.handle.net/2268/228825>  
ORBi viewed: **57** (5 ULiège)
- 7) Scholten, P., Demarteau, J., Gennen, S., De Winter, J., Grignard, B., Debuigne, A., Meier, M. A. R., & **Detrembleur, C.** (2018, May 29). *Controlled radical (co)polymerisation of vinylic monomers originating from renewable resources*. Poster session presented at Bordeaux Polymer Conference, Bordeaux, France.  
<http://hdl.handle.net/2268/224557>  
ORBi viewed: **15** (5 ULiège)
- 8) Bourguignon, M., Thomassin, J.-M., Jérôme, C., & **Detrembleur, C.** (2018, May 28). *Synthesis of polyvinylalcohol bearing catechol for hydrogel formation*. Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Blankenberge, Belgium.  
<http://hdl.handle.net/2268/224544>  
ORBi viewed: **54** (4 ULiège)
- 9) Aqil, A., Ouhib, F., Alkarmo, W., Aqil, M., **Detrembleur, C.**, & Jérôme, C. (2018, May 28). *Polymerized ionic liquids in advanced battery technologies*. Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Blankenberge, Belgium.  
<http://hdl.handle.net/2268/224668>  
ORBi viewed: **95** (1 ULiège)
- 10) Scholten, P., Demarteau, J., Gennen, S., de Winter, J., Grignard, B., Debuigne, A., Meier, M. A. R., & **Detrembleur, C.** (2018, March 21). *Investigation of the copolymerisation behaviour of bio-sourced vinylic and allylic cyclic carbonates*. Poster session presented at The International Doctoral School in Functional Materials (EJD-FunMat) Training School, Luxembourg, Grand Duchy of Luxembourg.  
<http://hdl.handle.net/2268/222307>  
ORBi viewed: **30** (6 ULiège)
- 11) Gennen, S., Panchireddy, S., Grignard, B., Thomassin, J.-M., Jérôme, C., & **Detrembleur, C.** (2017, June 09). *Bio- and CO<sub>2</sub>-sourced polyhydroxyurethanes for hydrogels coatings, foams and high performance adhesives*. Poster session presented at CESAM Research Unit Day, Liège, Belgium.  
<http://hdl.handle.net/2268/211853>  
ORBi viewed: **79** (4 ULiège)
- 12) Scholten, P., Debuigne, A., Demarteau, J., Meier, M. A. R., & **Detrembleur, C.** (2017, May 23). *Precision synthesis and characterization of novel functional polymers*. Poster session presented at Advanced Polymers via Macromolecular Engineering (APME), Ghent, Belgium.  
<http://hdl.handle.net/2268/211326>  
ORBi viewed: **51** (11 ULiège)
- 13) Demarteau, J., Ameduri, B., Ladmiral, V., Mees, M. A., Hoobenboom, R., Debuigne, A., & **Detrembleur, C.** (2017, May 22). *Unprecedented fluoroalkene-based copolymers through cobalt-mediated radical polymerization*. Poster session presented at Advanced Polymers via Macromolecular Engineering (APME), Ghent, Belgium.  
<http://hdl.handle.net/2268/211181>  
ORBi viewed: **73** (5 ULiège)


- 14) Panchireddy, S., Grignard, B., Thomassin, J.-M., Jérôme, C., & **Detrembleur, C.** (2017, May 04). *Reinforced poly(hydroxyurethane) coatings and high performance adhesive*. Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Houffalize, Belgium.  
<http://hdl.handle.net/2268/210982>  
ORBi viewed: **113** (8 ULiège)
- 15) Gennen, S., Grignard, B., Alves, M., Thomassin, J.-M., Tassaing, T., Jérôme, C., & **Detrembleur, C.** (2017, May 04). *How to exploit bio- and CO2-based isocyanates-free polyurethanes for environmental and biomedical applications?* Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Houffalize, Belgium.  
<http://hdl.handle.net/2268/210971>  
ORBi viewed: **82** (1 ULiège)
- 16) Ngassam Tounzoua, C. G., Gilbert, B., **Detrembleur, C.**, Jérôme, C., Boyaval, A., Tassaing, T., & Grignard, B. (2017, May 04). *Simple, cheap but highly efficient organo catalysts for the fixation of CO2 on propargylic alcohols*. Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Houffalize, Belgium.  
<http://hdl.handle.net/2268/211353>  
ORBi viewed: **89** (12 ULiège)
- 17) Ouhib, F., Cordella, D., Aqil, A., Defize, T., Jérôme, C., Serghei, A., Drockenmuller, E., Aissou, K., Taton, D., & **Detrembleur, C.** (2017, May 04). *All poly(ionic) liquid-based block copolymers incorporating fluorinated and triethyleneglycol units: direct synthesis in water and investigation as single-ion conductive solids*. Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Houffalize, Belgium.  
<http://hdl.handle.net/2268/210979>  
ORBi viewed: **172** (4 ULiège)
- 18) Alkarmo, W., Ouhib, F., Aqil, A., Thomassin, J.-M., Gong, J., Ambrogi, M., Vertruyen, B., Yuan, J., **Detrembleur, C.**, & Jérôme, C. (2017, May 04). *Synthesis of hierarchical N-doped porous carbon structure/nanospheres Fe2O3 composites and its application in lithium-ion battery as lithium-ion anodes*. Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Houffalize, Belgium.  
<http://hdl.handle.net/2268/211016>  
ORBi viewed: **103** (10 ULiège)
- 19) Scholten, P., Söyler, Z., **Detrembleur, C.**, & Meier, M. A. R. (2017, March 19). *Catalytic functionalisation of starch and amylose using plant oils: towards polymeric materials and composites*. Poster session presented at Workshop on Fats and Oils as Renewable Feedstock for the Chemical Industry, Karlsruhe, Germany.  
<http://hdl.handle.net/2268/208955>  
ORBi viewed: **59** (5 ULiège)
- 20) Scholten, P., Demarteau, J., Debuigne, A., Grignard, B., Meier, M. A. R., & **Detrembleur, C.** (2017, March). *Investigation of the copolymerization behavior of a cyclic carbonate with vinyl acetate using CMRP*. Poster session presented at International Doctoral School EJD-Funmat, Aveiro, Portugal.  
<http://hdl.handle.net/2268/211324>  
ORBi viewed: **40** (6 ULiège)
- 21) Gennen, S., Grignard, B., Thomassin, J.-M., Gilbert, B., Vertruyen, B., Jérôme, C., & **Detrembleur, C.** (2016, October 13). *Synthesis and characterization of non-isocyanate polyurethane (NIPU) hydrogels*. Poster session presented at Journée de la Société Royale de Chimie (SRC), Liège, Belgium.  
<http://hdl.handle.net/2268/202816>  
ORBi viewed: **156** (13 ULiège) — SCOPUS®: -
- 22) Demarteau, J., Cordella, D., Kermagoret, A., Jérôme, C., Debuigne, A., & **Detrembleur, C.** (2016, October 13). *Alkylcobalt as source of radicals for the controlled polymerization of less activated vinyl monomer*. Poster session presented at Journée de la Société Royale de Chimie (SRC), Liège, Belgium.  
<http://hdl.handle.net/2268/202814>  
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- 23) Aqil, M., Ouhib, F., Aqil, A., El Ibrissi, A., **Detrembleur, C.**, & Jérôme, C. (2016, October 13). *PILs as a new active material for radical organic batteries*. Poster session presented at Journée de la Société Royale de Chimie (SRC), Liège, Belgium.  
<http://hdl.handle.net/2268/202819>  
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- 24) Alkarmo, W., Ouhib, F., Aqil, A., Thomassin, J.-M., Gong, J., Ambrogi, M., Vertruyen, B., Yuan, J., **Detrembleur, C.**, & Jérôme, C. (2016, October 13). *Design and synthesis of Fe2O3 nanoparticles/N-doped porous carbon structures as high performance electrode for lithium ion battery*. Poster session presented at Journée de la Société Royale de Chimie (SRC), Liège, Belgium.  
<http://hdl.handle.net/2268/202943>  
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- 25) Panchireddy, S., Grignard, B., Thomassin, J.-M., Alexis, R., Olivier, M., Poorteman, M., **Detrembleur, C.**, & Jérôme, C. (2016, October 13). *Novel promising way to synthesize non-isocyanate polyurethanes (NIPUs) for innovative coating applications against corrosion protection of metal surfaces*. Poster session presented at Journée de la Société Royale de Chimie (SRC), Liège, Belgium.  
<http://hdl.handle.net/2268/202817>  
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- 26) Demarteau, J., Cordella, D., Kermagoret, A., Jérôme, C., Debuigne, A., & **Detrembleur, C.** (2016, September 12). *Organocobalt complexes as source of radicals for the controlled polymerization of unconjugated monomers*. Poster session presented at PAI Annual Meeting, Liège, Belgium.  
<http://hdl.handle.net/2268/201848>  
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- 27) Alkarmo, W., Ouhib, F., Aqil, A., Thomassin, J.-M., Gong, J., Ambrogio, M., Vertruyen, B., Yuan, J., **Detrembleur, C.**, & Jérôme, C. (2016, September 12). *Iron oxide nitrogen doped porous carbon as nanostructured electrode composites for lithium ion batteries*. Poster session presented at PAI Annual Meeting, Liège, Belgium.  
<http://hdl.handle.net/2268/202002>  
ORBi viewed: **36** (12 ULiège) — SCOPUS®: -
- 28) Ouhib, F., Aqil, A., Dirani, A., Glinel, K., Nysten, B., Alain M., J., Jérôme, C., & **Detrembleur, C.** (2016, September 12). *PAI Annual Meeting*. Poster session presented at PAI Annual Meeting, Liège, Belgium.  
<http://hdl.handle.net/2268/202006>  
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- 29) Panchireddy, S., Grignard, B., Thomassin, J.-M., Renaud, A., Olivier, M., Poorteman, M., **Detrembleur, C.**, & Jérôme, C. (2016, September 12). *Environmentally friendly bio-based non-isocyanate (NIPU) coatings for corrosion protection of metal surfaces*. Poster session presented at PAI Annual Meeting, Liège, Belgium.  
<http://hdl.handle.net/2268/202009>  
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- 30) Demarteau, J., Cordella, D., Kermagoret, A., Jérôme, C., Debuigne, A., & **Detrembleur, C.** (2016, July 11). *Organocobalt complexes as source of radicals for the controlled polymerization of unconjugated monomers*. Poster session presented at Precision Polymer Materials (P2M), Warwick, UK.  
<http://hdl.handle.net/2268/201850>  
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- 31) Demarteau, J., Cordella, D., Kermagoret, A., Jérôme, C., Debuigne, A., & **Detrembleur, C.** (2016, July 07). *Organocobalt complexes as source of radicals for the controlled polymerization of unconjugated monomers*. Poster session presented at Chemistry Department Day, Liège, Belgium.  
<http://hdl.handle.net/2268/201851>  
ORBi viewed: **13** (5 ULiège) — SCOPUS®: -
- 32) Gennen, S., Grignard, B., Thomassin, J.-M., Gilbert, B., Vertruyen, B., Jérôme, C., & **Detrembleur, C.** (2016, June 29). *From CO2 to non-isocyanate polyurethane (NIPU) hydrogels with potential biomedical applications*. Poster session presented at CO2 Utilisation as a Strong Catalyst for the European Industrial Renaissance (SCOT), Brussels, Belgium.  
<http://hdl.handle.net/2268/199378>  
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- 33) Alves, M., Grignard, B., Gennen, S., Méreau, R., Tassaing, T., **Detrembleur, C.**, & Jérôme, C. (2016, June 29). *Merging carbon dioxide utilisation, bioresources and CO2-based process for sustainable low carbon footprints polyurethanes*. Poster session presented at CO2 Utilisation as a Strong Catalyst for the European Industrial Renaissance (SCOT), Brussels, Belgium.  
<http://hdl.handle.net/2268/199344>  
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- 34) Gennen, S., Grignard, B., Thomassin, J.-M., Gilbert, B., Vertruyen, B., Jérôme, C., & **Detrembleur, C.** (2016, May 23). *Synthesis of CO2-sourced hydrogels by using the non-isocyanate polyurethane (NIPU) chemistry*. Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Hasselt, Belgium.  
<http://hdl.handle.net/2268/197801>  
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- 35) Dréan, Guégan, P., **Detrembleur, C.**, Jérôme, C., Rieger, J., & Debuigne, A. (2016, May 23). *Synthesis of novel poly(vinylamine)-based copolymers with controlled compositions*. Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Hasselt, Belgium.  
<http://hdl.handle.net/2268/197818>  
ORBi viewed: **50** (6 ULiège) — SCOPUS®: -

- 36) Dréan, M., Guégan, P., **Detrembleur, C.**, Jérôme, C., Rieger, J., & Debuigne, A. (2016, May 23). *Synthesis of novel well-defined poly(vinylamine)-based copolymers by controlled polymerization*. Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Hasselt, Belgium.  
<http://hdl.handle.net/2268/211059>  
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- 37) Panchireddy, S., Grignard, B., Thomassin, J.-M., Renaud, A., Olivier, M., Poorteman, M., **Detrembleur, C.**, & Jérôme, C. (2016, May 23). *Non-isocyanate polyurethanes (NIPUs) coating for corrosion protection of metal surfaces*. Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Hasselt, Belgium.  
<http://hdl.handle.net/2268/197804>  
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- 38) Alkarmo, W., Ouhib, F., Aqil, A., Thomassin, J.-M., Gong, J., Ambrogi, M., Vertruyen, B., Yuan, J., **Detrembleur, C.**, & Jérôme, C. (2016, May 23). *Fe<sub>2</sub>O<sub>3</sub> nanoparticle-functionalized N-doped carbon with interconnected, hierarchical porous structures as high-performance electrode for lithium ion batteries*. Poster session presented at Belgian Polymer Group (BPG) Annual Meeting, Hasselt, Belgium.  
<http://hdl.handle.net/2268/197798>  
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- 39) Alves, M., Méreau, R., Grignard, B., **Detrembleur, C.**, Jérôme, C., & Tassaing, T. (2016, April 20). *On the key role of fluorination and dual hydrogen bonding in the activation of the epoxide/CO<sub>2</sub> coupling by fluorinated alcohols: a DFT study*. Poster session presented at Zing Conferences, Carbon Dioxide Catalysis, Albufeira, Portugal.  
<http://hdl.handle.net/2268/196541>  
 ORBi viewed: **48** (4 ULiège) — SCOPUS®: -
- 40) Alves, M., Méreau, R., Grignard, B., **Detrembleur, C.**, Jérôme, C., & Tassaing, T. (2016, March). *Theoretical study of the organocatalyzed synthesis of NIPUs*. Poster session presented at International Doctoral School in Functional Materials (IDS-FunMat), Bordeaux, France.  
<http://hdl.handle.net/2268/199338>  
 ORBi viewed: **15** (3 ULiège) — SCOPUS®: -
- 41) Mathieu, K., Kermagoret, A., Thomassin, J.-M., Fustin, C.-A., **Detrembleur, C.**, Jérôme, C., & Debuigne, A. (2016, February 15). *Double thermoresponsive di- and triblock copolymers based on N-vinylcaprolactam and N-vinylpyrrolidone: synthesis, micellisation and gelation*. Poster session presented at Belgian-German Macromolecular Meeting (MacroBeGe), Dynamic and Responsive Polymer Systems, Houffalize, Belgium.  
<http://hdl.handle.net/2268/196545>  
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- 42) Grignard, B., Gennen, S., Alves, M., Tassaing, T., Méreau, R., Gilbert, B., Jérôme, C., & **Detrembleur, C.** (2015, December 19). *Organocatalytic coupling of carbon dioxide with epoxides: the unexpected booster effect of fluoroalcohols*. Poster session presented at Pacificchem, Honolulu, USA, Hawaii.  
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